

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
12 May 2005 (12.05.2005)

PCT

(10) International Publication Number
WO 2005/043163 A3

(51) International Patent Classification⁷: **G01N 33/574**, (74) Common Representative: **ROCHE DIAGNOSTICS GMBH**; BURGER, Alexander, Patent Department (TR-E), Postfach 11 52, 82372 Penzberg (DE).
C12Q 1/68

(21) International Application Number:
PCT/EP2004/012471

(22) International Filing Date:
4 November 2004 (04.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03025337.1 4 November 2003 (04.11.2003) EP

(71) Applicant (for DE only): **ROCHE DIAGNOSTICS GMBH** [DE/DE]; Sandhofer Strasse 116, 68305 Mannheim (DE).

(71) Applicant (for all designated States except DE, US): **F. HOFFMANN-LA ROCHE AG** [CH/CH]; Grenzacherstrasse 124, CH-4070 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HAFERLACH**, Torsten [DE/DE]; Springerstrasse 8, 81477 München (DE). **DUGAS**, Martin [DE/DE]; Michael-Fischer-Platz 6, 94469 Deggendorf (DE). **KERN**, Wolfgang [DE/DE]; Hanfelder Strasse 101, 82319 Starnberg (DE). **KOHLMANN**, Alexander [DE/DE]; Schwarzstrasse 14, 92318 Neumarkt (DE). **SCHNITTGER**, Susanne [DE/DE]; Saalburgstrasse 2a, 81375 München (DE). **SCHOCH**, Claudia [DE/DE]; Springerstrasse 8, 81477 München (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
4 August 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR DISTINGUISHING WHO CLASSIFIED AML SUBTYPES

(57) Abstract: Disclosed is a method for distinguishing WHO classified AML subtypes AML_MLL, t(15;17), t(8;21), inv(16), 11q23, de novo_AML, s_AML, t_AML, AML_M0, AML_M1, AML_M2, AML_M4, AML_M5a, AML_M5b, AML_M6, AML_t(15;17)/M3 and/or AML_t(15;17)/M3v in a sample by determining the expression level of markers, as well as a diagnostic kit and an apparatus containing the markers.



WO 2005/043163 A3